PROCEEDINGS

OF THE

AMERICAN PHILOSOPHICAL SOCIETY

HELD AT PHILADELPHIA
FOR PROMOTING USEFUL KNOWLEDGE

VOLUME 118

1974

THE AMERICAN PHILOSOPHICAL SOCIETY
INDEPENDENCE SQUARE
PHILADELPHIA
1974

Copyright © 1974 by The American Philosophical Society

US ISSN 003-049X

CONTENTS

Page

No. 1. Rural-urban Differences in Fertility: An International Comparison. SIMON KUZNETS 1
Ptolemy of Lucca and the Roman Republic. CHARLES T. DAVIS 30
Matthew of Vendôme: Introductory Treatise on the Art of Poetry. ERNEST GALLO 51
Holocene Paleoecology of South Coastal Ecuador. AKKARAJU V. N. SARMA 93

No. 2. "Why Not Try the Experiment?" The Scientific Education of Edward Jenner. LLOYD ALLAN WELLS 135
The Sedgwick-Darwin Geologic Tour of North Wales. PAUL H. BARRETT 146
Tending a Dragon-killer: Notes for the Biographer of Mrs. John Quincy Adams. L. H. BUTTERFIELD 165
The Geologists' Model for National Science, 1840–1847. SALLY GREGORY KOHLSTEDT .. 179
A Late Pleistocene Cave Site in Southern India. M. L. KRISHNA MURTY 196

No. 3. Current Aspects of Penology:
Threat of Punishment as an Instrument of Crime Control. FRANKLIN E. ZIMRING 231
Directions for Corrections. LESLIE T. WILKINS 235
Correctional Strategies in Conflict. LLOYD E. OHLIN 248
Principal Aspects of Modern European Penology. MARC ANCEL 254
Marc-Michel Rey: Boekhandelaar op de Bloemmark (Amsterdam). MAX FAJN 260
The Case of Mary Somerville: An Aspect of Nineteenth-century Science. ELIZABETH C. PATTERSON 269
Brain Mechanisms in Hunger and Other Hedonic Experiences. ELIOT STELLAR 276
The Assyrian Iron Age: The History of Iron in the Assyrian Civilization. RADOMÍR PLEINER AND JUDITH K. BJORKMAN 283

No. 4. Franklin's "Ingenious Friend" and Scientific Heir. ELIZABETH R. WAARA 315
John Quincy Adams's German Library, with a Catalog of His German Books. WALTER J. MORRIS 321
On Passivity. NORMAN HACKERMAN 334
Catholic Priests in Lower Austria: Anti-Liberalism, Occupational Anxiety, and Radical Political Action in Late Nineteenth-century Vienna. JOHN W. BOYER 337
The Irish Absentee Tax Controversy of 1773: A Study in Anglo-Irish Politics on the Eve of the American Revolution. THOMAS F. MORIARTY 370

No. 5. Arbitration of Labor Disputes:
The Problem of Arbitration—The Resolution of Public Sector Disputes. WILLIAM GOMBERG 409
Grievance Arbitration. LEWIS M. GILL 415
Permanent Systems for Grievance Arbitration. SYLVESTER GARRETT 417
The Settlement of Disputes over Rights: A Comparative View. BENJAMIN AARON. 422
Figures of Speech in Social Sciences. ALEXANDER GERSCHENKRON 431
Nathaniel Francis, Representative Antebellum Southerner. F. N. BONEY 449
The Business of War: Trading with the Enemy in English and Early American Law. LUDWELL H. JOHNSON, III 459
Charles Darwin, Fossil Cirripedes, and Robert Fitch: Presenting Sixteen Hitherto Unpublished Darwin Letters of 1849 to 1851. THADDEUS J. TRENN 471

No. 6. Aristotle on Self-knowledge. KLAUS OEHLER 493
Retracing and Mapping the Bartrams' Southern Travels. LESTER J. CAPPON 507
William Bartram's "Road to Xanadu" on Modern Florida Maps. WILLIAM W. PORTER II 514
Tibetan Nomadic Pastoralists: Environments, Personality, and Ethos. ROBERT B. EKVALL 519
A New Schema for Entropy. J. ROBERT SCHRIEFFER 538
Herbert Spencer's *The Study of Sociology* and the Rise of Social Science in America. ROBERT L. CARNEIRO 540
The Commercial Bureau of American Republics, 1894–1902: The Advertising Policy, the State Department, and the Governance of the International Union. JAMES F. VIVIAN 555
The Medieval Map of Rome in the Ambrosian Library's Manuscript of Solinus (C 246 Inf.). ANNALINA AND MARIO LEVI 567
Index to Volume 118 595

INDEX TO VOLUME 118

AARON, BENJAMIN, Settlement of disputes over rights: a comparative view, 422
Adams, John Quincy: his German library (Morris), 321
Adams, Mrs. John Quincy, notes for the biographer of (Butterfield), 165
American Association for the Advancement of Science: geologists' model for national science, 1840–1847 (Kohlstedt), 179
ANCEL, MARC, Principal aspects of modern European penology, 254
Anthropology: Late Pleistocene cave site in southern India (Murty), 196
Arbitration of labor disputes (Gomberg, Gill, Garrett, Aaron), 409–430
Aristotle on self-knowledge (Oehler), 493
Assyrian Iron Age (Pleiner and Bjorkman), 283
Austria, Lower, Catholic priests in (Boyer), 337

BARRETT, PAUL H., Sedgwick-Darwin geologic tour of north Wales, 146
Bartram, William: retracing and mapping his southern travels (Cappon), 507
his "road to Xanadu" on modern Florida maps (Porter), 514
BJORKMAN, JUDITH K., *with* Radomír Pleiner, *see* Pleiner
BONEY, F. N., Nathaniel Francis, representative antebellum southerner, 449
BOYER, JOHN W., Catholic priests in Lower Austria: anti-liberalism, occupational anxiety, and radical political action in nineteenth-century Vienna, 337
Brain mechanisms in hunger and other hedonic experiences (Stellar), 276
Bureau of American Republics (Vivian), 555
BUTTERFIELD, L. H., Tending the dragon-killer: notes for the biographer of Mrs. John Quincy Adams, 165

CAPPON, LESTER J., Retracing and mapping the Bartrams' southern travels, 507
CARNEIRO, ROBERT L., Herbert Spencer's *The Study of Sociology* and the rise of social science in America, 540
Catholic priests in Lower Austria (Boyer), 337
Cave site, Late Pleistocene, in southern India (Murty), 196
Crime control, threat of punishment as an instrument of (Zimring), 231

Darwin, Charles, fossil cirripedes and Robert Fitch (Trenn), 471
Darwin-Sedgwick tour of North Wales (Barrett), 146
DAVIS, CHARLES T., Ptolemy of Lucca and the Roman republic, 30

Ecuador, south coastal, Holocene paleoecology of (Sarma), 93
EKVALL, ROBERT B., Tibetan nomadic pastoralists: environments, personality, and ethos, 519
Entropy, new schema for (Schrieffer), 538

FAJN, MAX, Marc-Michel Rey: boekhandelaar op de Bloemmark (bookseller at the flower market) (Amsterdam), 260
Fertility, rural-urban differences in (Kuznets), 1
Figures of speech in social sciences (Gerschenkron), 431
Fitch, Robert, fossil cirripedes and Charles Darwin (Trenn), 471
Francis, Nathaniel, representative antebellum southerner (Boney), 449
Franklin, Benjamin: his ingenious friend and scientific heir (Waara), 315

GALLO, ERNEST, Matthew of Vendôme: introductory treatise on the art of poetry, 51
GARRETT, SYLVESTER, Permanent systems for grievance arbitration, 417
GERSCHENKRON, ALEXANDER, Figures of speech in social sciences, 431
GILL, LEWIS M., Grievance arbitration, 415
GOMBERG, WILLIAM, Problem of arbitration—the resolution of public sector disputes, 409

HACKERMAN, NORMAN, On passivity (of metals), 334
Hopkinson, Francis, Franklin's ingenious friend and scientific heir (Waara), 315
Hunger, brain mechanisms in (Stellar), 276

Irish absentee tax controversy of 1773 (Moriarty), 370
Iron Age, Assyrian (Pleiner and Bjorkman), 283

Jenner, Edward, scientific education of (Wells), 135
JOHNSON, LUDWELL H., Business of war: trading with the enemy in English and early American law, 459

KOHLSTEDT, SALLY G., Geologists' model for national science, 1840–1847, 179
KUZNETS, SIMON, Rural-urban differences in fertility: an international comparison, 1

Labor disputes, arbitration (Gomberg, Gill, Garrett, Aaron), 409–430
Law, trading with the enemy in English and early American (Johnson), 459
LEVI, ANNALINA and MARIO, Medieval map of Rome in the Ambrosian Library's manuscript of Solinus (C 246 Inf.), 567

Matthew of Vendôme: introductory treatise on the art of poetry (Gallo), 51
Metals: passivity in (Hackerman), 334
MORIARTY, THOMAS F., Irish absentee tax controversy of 1773: a study in Anglo-Irish politics on the eve of the American Revolution, 370
MORRIS, WALTER J., John Quincy Adams's German library, with a catalog of his German books, 321
MURTY, M. L. KRISHNA, Late Pleistocene cave site in southern India, 196

Nomadic pastoralists, Tibetan (Ekvall), 519

OEHLER, KLAUS, Aristotle on self-knowledge, 493
OHLIN, LLOYD E., Correctional strategies in conflict, 248

Paleoecology, Holocene, of south coastal Ecuador (Sarma), 93
Passivity of metals (Hackerman), 334
PATTERSON, ELIZABETH C., Case of Mary Somerville: an aspect of nineteenth-century science, 269
Penology, current aspects of (Zimring, Wilkins, Ohlin, Ancel), 231–259
PLEINER, RADOMÍR, and JUDITH K. BJORKMAN, Assyrian Iron Age: the history of iron in the Assyrian civilization, 283
Pleistocene cave site in southern India (Murty), 196
PORTER, WILLIAM W., II, William Bartram's "Road to Xanadu" on modern Florida maps, 514
Ptolemy of Lucca and the Roman republic (Davis), 30

Rey, Marc-Michel: boekhandelaar op de Bloemmark (Amsterdam) (Fajn), 260
Rome, medieval map (Levi), 567

SARMA, AKKARAJU V. N., Holocene paleoecology of south coastal Ecuador, 93
SCHRIEFFER, J. ROBERT, New schema for entropy, 538
Science, national, geologists' model for, 1840–1847 (Kohlstedt), 179
Sedgwick-Darwin tour of north Wales (Barrett): 146
Social science in America, rise of: Herbert Spencer's *The Study of Sociology* (Carneiro), 540
Social sciences, figures of speech in (Gerschenkron), 431
Somerville, Mary (Patterson), 269
Spencer, Herbert, *The Study of Sociology* and the rise of social science in America (Carneiro), 540
STELLAR, ELIOT, Brain mechanisms in hunger and other hedonic experiences, 276
Symposia: Arbitration of labor disputes (Gomberg, Gill, Garrett, Aaron), 409–430
Current aspects of penology (Zimring, Wilkins, Ohlin, Ancel), 231–259

Tibetan nomadic pastoralists (Ekvall), 519
TRENN, THADDEUS J., Charles Darwin, fossil cirripedes, and Robert Fitch: Presenting sixteen hitherto unpublished Darwin letters of 1849 and 1851, 471

VIVIAN, JAMES F., Commercial Bureau of American Republics, 1894–1902: the advertising policy, the State Department, and the governance of the International Union, 555

WAARA, ELIZABETH R., Franklin's "ingenious friend" and scientific heir, 315
War: trading with the enemy during (Johnson), 459
WELLS, LLOYD A., "Why not try the experiment?" The scientific education of Edward Jenner, 135
WILKINS, LESLIE T., Directions for corrections, 235

ZIMRING, FRANKLIN E., Threat of punishment as an instrument of crime control, 231